

Title (en)

NUCLEIC ACID MOLECULE FOR EXPRESSING FOREIGN GENE IN PLANT AND METHOD THEREFOR

Title (de)

NUKLEINSÄUREMOLEKÜL ZUR EXPRESSION FREMDER GENE IN PFLANZEN UND VERFAHREN DAFÜR

Title (fr)

MOLECULE D'ACIDE NUCLÉIQUE DESTINÉE À L'EXPRESSION D'UN GÈNE ÉTRANGER DANS UNE PLANTE, ET PROCÉDÉ ASSOCIÉ

Publication

EP 2960331 A4 20161123 (EN)

Application

EP 14754539 A 20140220

Priority

- JP 2013031355 A 20130220
- JP 2014054083 W 20140220

Abstract (en)

[origin: EP2960331A1] A nucleic acid molecule for expressing a foreign gene in a plant, said nucleic acid molecule carrying, in this order, a right border (RB) sequence derived from the T-DNA sequence of an agrobacterium, an expression promoter sequence capable of functioning in the aforesaid plant, a sequence corresponding to the RNA2 genome of cucumber mosaic virus wherein a 2b protein-encoding gene has been partly or entirely substituted by the aforesaid foreign gene, and a left border (LB) sequence derived from the T-DNA sequence of an agrobacterium.

IPC 8 full level

C12N 15/09 (2006.01); **A01H 1/00** (2006.01); **A01H 5/00** (2006.01); **C12N 5/10** (2006.01); **C12N 15/82** (2006.01)

CPC (source: EP US)

C12N 15/8203 (2013.01 - EP US); **C12N 15/8206** (2013.01 - EP US); **C12N 15/8207** (2013.01 - EP US); **C12N 15/8257** (2013.01 - US)

Citation (search report)

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- [Y] EP 2184363 A1 20100512 - ICON GENETICS GMBH [DE]
- [Y] KOUKI MATSUO ET AL: "Development of Cucumber mosaic virus as a vector modifiable for different host species to produce therapeutic proteins", PLANTA ; AN INTERNATIONAL JOURNAL OF PLANT BIOLOGY, SPRINGER, BERLIN, DE, vol. 225, no. 2, 5 July 2006 (2006-07-05), pages 277 - 286, XP019460700, ISSN: 1432-2048, DOI: 10.1007/S00425-006-0346-5
- [Y] FUJIKI M ET AL: "Development of a new cucumber mosaic virus-based plant expression vector with truncated 3a movement protein", VIROLOGY, ELSEVIER, AMSTERDAM, NL, vol. 381, no. 1, 10 November 2008 (2008-11-10), pages 136 - 142, XP025571678, ISSN: 0042-6822, [retrieved on 20080920], DOI: 10.1016/J.VIROL.2008.08.022
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- See references of WO 2014129560A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2960331 A1 20151230; **EP 2960331 A4 20161123**; JP 6350995 B2 20180704; JP WO2014129560 A1 20170202; US 2016002654 A1 20160107; WO 2014129560 A1 20140828

DOCDB simple family (application)

EP 14754539 A 20140220; JP 2014054083 W 20140220; JP 2015501506 A 20140220; US 201414769055 A 20140220